WIRELESS NETWORK SETUP FOR WINDOWS XP

Before using this guide you will need to answer yes to the following questions:

- Does your laptop have a WPA compliant wireless card and driver installed?
  You can check the list of compliant cards and drivers at http://www.uow.edu.au/its/wireless/support.html

- Are you in an area that is covered by the University of Wollongong wireless network? Coverage map at http://www.uow.edu.au/its/wireless/map.html

- Do you have access to the internet to download or have you already downloaded the appropriate software?

Instructions to set up Windows XP-SP2 WPA client for accessing wireless network within the University of Wollongong.

Note: your wireless card should be installed before completing these instructions. It must have updated drivers to support WPA encryption.

There are two wireless networks available to students. These networks have been named: ACHERNAR-A and ACHERNAR-BG.

ACHERNAR-A allows connection to the 802.11a network. This operates at a maximum speed of 54Mbps and is available within buildings only. Your wireless card needs to support 802.11a to access this network.

ACHERNAR-BG allows connection to the 802.11b/g wireless network. This operates at a maximum of 11Mbps for 802.11b network adapters and a maximum of 54Mbps for 802.11g adapters and is available inside and outside of buildings within buildings within the University grounds. Your wireless card needs to support 802.11b or 802.11g to access this network.

Important: Throughout these notes ** denotes settings for ACHERNAR-BG

Go to the Start menu
Choose Control Panel
*If in "classic view" choose Network Connections
*If in "category view", choose Network & Internet connections and then choose Network Connections.

Right click on Wireless Network Connection icon as shown at right.
From the pull down menu, choose View Available Wireless Networks
A new window will open as at right
Click on Change advanced settings

In the window which now opens, click on Wireless Networks tab at top of window. Click the Add... button

Note: You must do the following in order as stated below

1. In UPPERCASE, Type ACHERNAR-A in field next to Network name (SSID)

OR

**Type ACHERNAR-BG in field next to Network name (SSID)

2. Choose WPA from pull down menu next to Network Authentication

3. Choose TKIP from pull down menu next to Data encryption

DO NOT CLICK OK

Now click on Authentication tab at top of window
Ensure both checkboxes are UNchecked

From the pull down list next to EAP type choose Protected EAP (PEAP)

Then click on Properties button

Check the box next to Validate server certificate and make sure that the box next to "connect to these servers" is unchecked.

Scroll down and check Thawte Premium Server CA and Thawte Server CA - this needs to be done for security reasons

Make sure Secured password (EAP-MSCHAP v2) is selected from pull down menu under "Select Authentication Method"

Next, click Configure… button

Uncheck the box next to automatically use my Windows logon name and password...

Next click OK
This window will appear again. Click OK

Click OK on this window
Check that ACHERNAR-A is showing in the box as shown in the window at left. This indicates that the ACHERNAR-A SSID has been setup and is ready for connection.

**If you have chosen to connect to ACHERNAR-BG the box will indicate ACHERNAR-BG ....

Click OK

At this point you should Restart your computer.

When your computer restarts, if you are in an area covered by the appropriate wireless network, you will see this text bubble appearing on your Desktop. Double click on this text bubble and the following window will appear

*** If you have chosen to connect to ACHERNAR-BG the text will indicate ACHERNAR-BG

You need to fill in your SOLS user name and password (the same as your University of Wollongong email user name and password). Leave Logon Domain blank and then click OK.
To check that Setup has been successful, you should now go to the Start menu on your computer and choose Control Panel and then choose Network connections.

You should now see the diagram at right and verify that "Connected" is showing under Wireless Network Connection 2

Set up of software is now complete.

**PROXY INFORMATION**
Before you begin using your Wireless Network you should make sure your Proxy settings are correct.

**For Netscape Communicator**
Go to the Edit menu and choose Preferences
Under the list of categories, open the Advanced folder and choose Proxies
Type in the Automatic proxy as http://www.uow.edu.au/autoproxy.pac
Click the Reload button.
Click OK

**For Internet Explorer**
Go to the Tools menu and choose Internet Options
Click on the Connections tab
Click on LAN settings button (bottom right)
Place a tick in the Use Automatic Configuration Script
Type in http://www.uow.edu.au/autoproxy.pac
Click OK and then OK again

If your browser does not support automatic configuration, the following information is supplied:

<table>
<thead>
<tr>
<th>Proxy Type</th>
<th>Proxy Address</th>
<th>Port</th>
</tr>
</thead>
<tbody>
<tr>
<td>FTP Proxy</td>
<td>proxy.uow.edu.au</td>
<td>8080</td>
</tr>
<tr>
<td>Gopher Proxy</td>
<td>proxy.uow.edu.au</td>
<td>8080</td>
</tr>
<tr>
<td>http Proxy</td>
<td>proxy.uow.edu.au</td>
<td>8080</td>
</tr>
<tr>
<td>SOCKS host</td>
<td></td>
<td>8080</td>
</tr>
</tbody>
</table>

More information is available via the web at www.uow.edu.au/its/wireless

If you have any problems please contact the ITS Technical Support Team on 4221 3000 or visit the Enquiry Counter at the Student Computer Laboratories in Building 17.